

Abstracts

New array capabilities by photonic beamforming

R.D. Esman, M.Y. Frankel and P.J. Matthews. "New array capabilities by photonic beamforming." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1363-1366.

A large number of organizations are currently developing concepts in photonic beamforming. We briefly review the growth and then present an updated and expanded motivation for photonic beamforming in terms of current system expectations. Fortunately, many experiments in the literature demonstrate the enormous potential for photonic techniques to meet the growing demands. Current photonic capabilities and limitations based on dispersion are presented.

[Return to main document.](#)